BRIDE

TO BE KEPT UNDER LOCK AND KEY : NEVER TO BE REMOVED FROM THE OFFICE.



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information hom "argenij" on a jet aircraft engine.

From: NEW YORK

RESERVA Tu:

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12 ...uz 1944

To VICTOR.

The latest experimental model of the air unit [UST.NeVK... VeZDUKha] [2 groups unrecovered] of .idsNIJ[1] has:[ii]

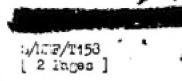
- 10 oxibusti.n chambers. The number of chambors has been reduced as a result of cuttin; down the fuel. The number of chambers that has been picked is considered to be the optimen.
- The ignition has been simplified. Sparking plugs have been left in only two chambers. ...ll the chambers are connected t. gether by tubes along which the flame is distributed to the other chambers. After combustion [starts][4] the ignition is switched off in all the chambers.
- Combustion of the paraffih and air mixture takes place continuously. air compressed to a pressure of 4 atmospheres enters the distributing helix whence via

[27 groups unreceverable]

- The temperature in the combustion chamber is 1760°
- The charber has inside it a second cylinder with apertures all over its surface, combustion takes place in this cylinder, and the

[Continued overleaf]

Distribution





compressed air passes through the apertures into the interior of the cylinder. This design was chosen using to the difficulty of selecting suitable heat-resisting steel for the chamber. It present the interior perforated cylinder is changed every 14 hours.

6. Instead of an axial flow gas turbine there is fitted [1 group unrecovered] tangential flow turbine [1 group unrecovered] the latter [1 group unrecovered] checking.

No. 639.

ing [.u.J][iii]

T.N.: [a] Inserted by the translator.

Comments: [i] ARSINIJ: Andrej Ivanevich ShEVChENKO.

- [ii] The following details relate to a jet aircraft engine.
- [iii] iiii]: Favel Ivanovich FED SDMOV.

. 7.S. No. XY-50.2